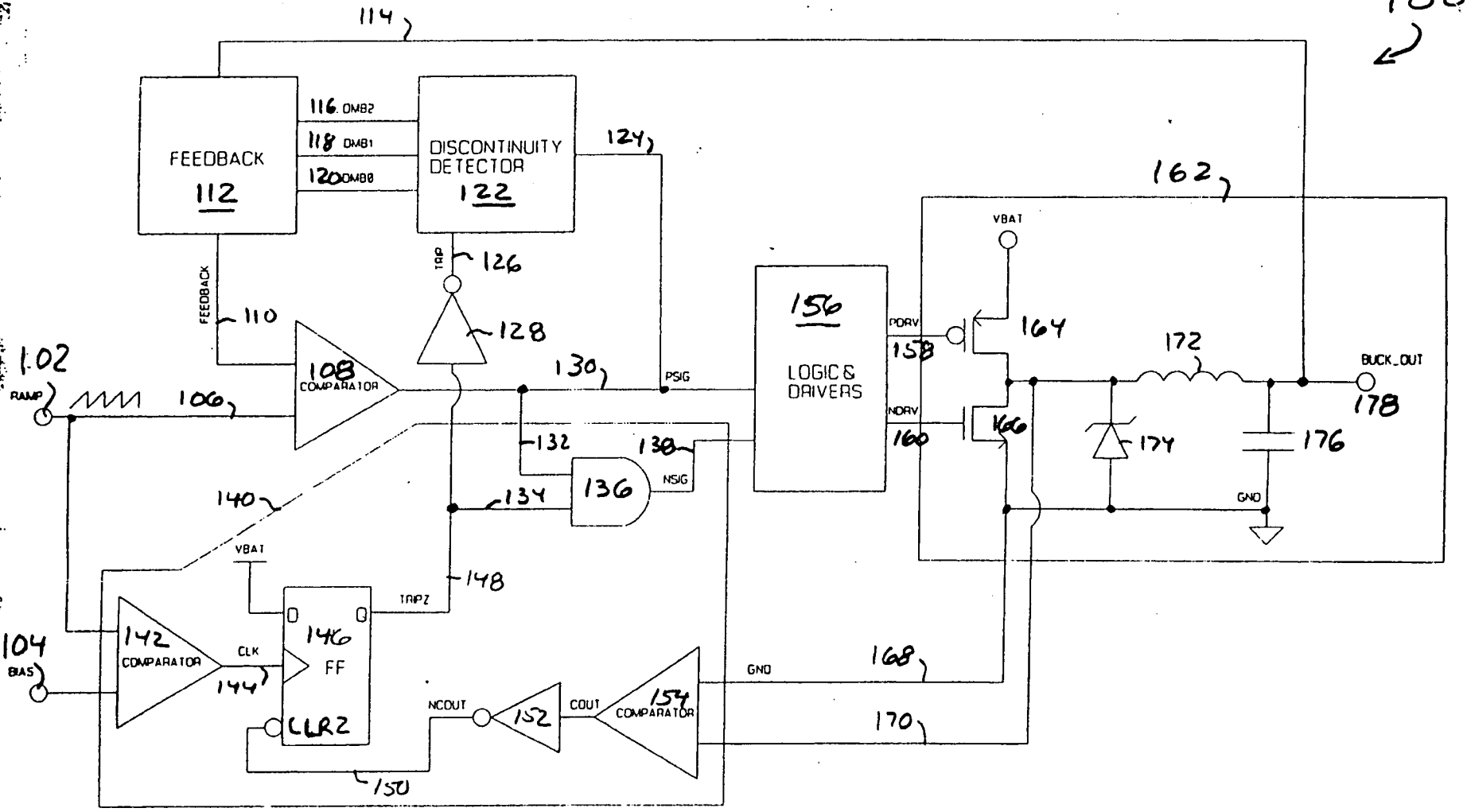
114
FEEDBACK
112
116 DMB2
118 DMB1
120 DMB0
DISCONTINUITY DETECTOR
122
124
162
VBAT
TAP
126
128
FEEDBACK
110
102
RAMP
106
108
COMPARATOR
130
PSIG
156
LOGIC & DRIVERS
PDRV
158
164
172
BUCK_OUT
178
NDRV
160
166
174
176
GND
132
138
NSIG
136
140
134
VBAT
148
TRPZ
104
BIAS
142
COMPARATOR
CLK
144
146
FF
CLR2
NCOUT
152
COUT
154
COMPARATOR
GND
168
170
150

Fig. 1.

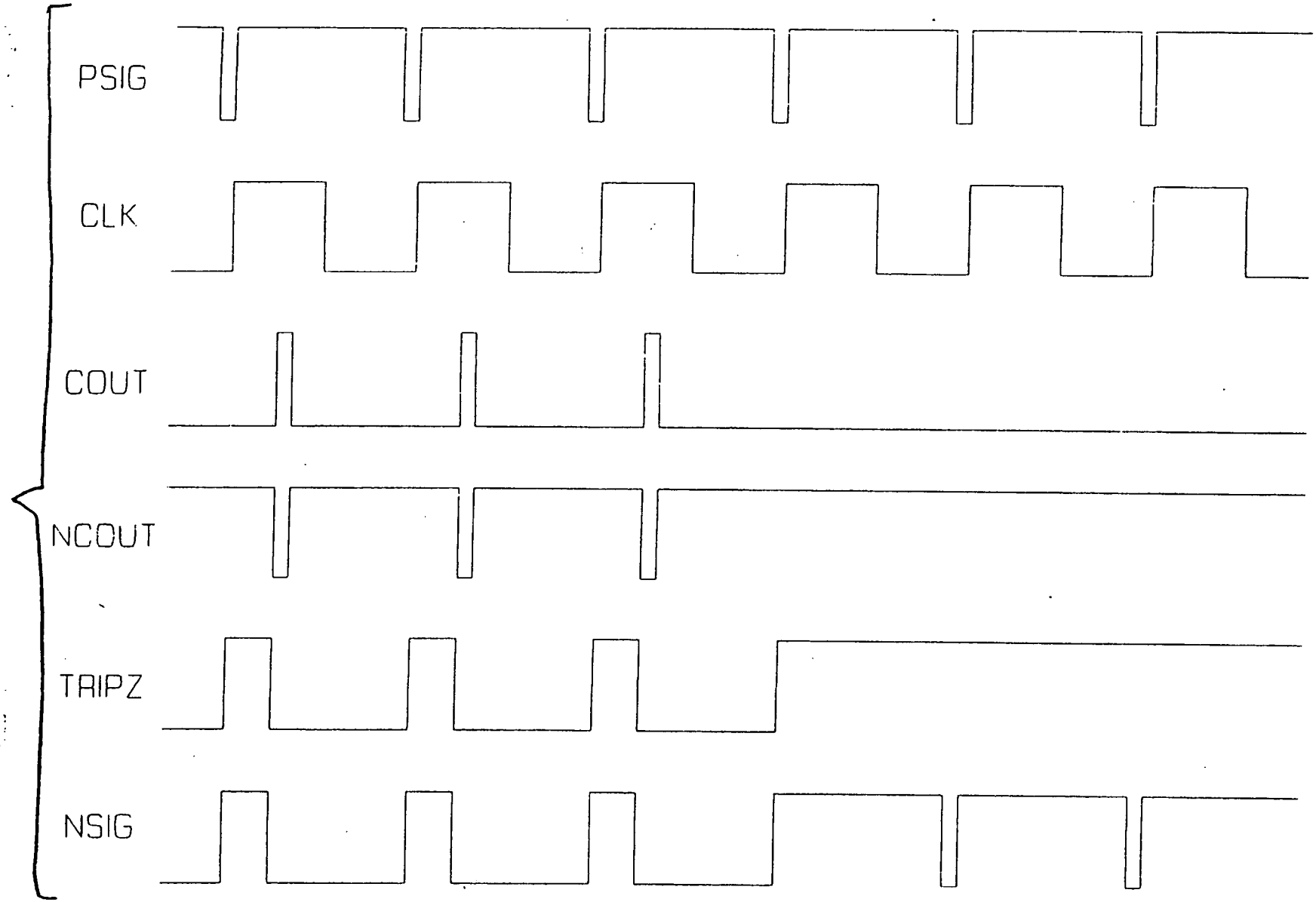

Fig. 2.

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300

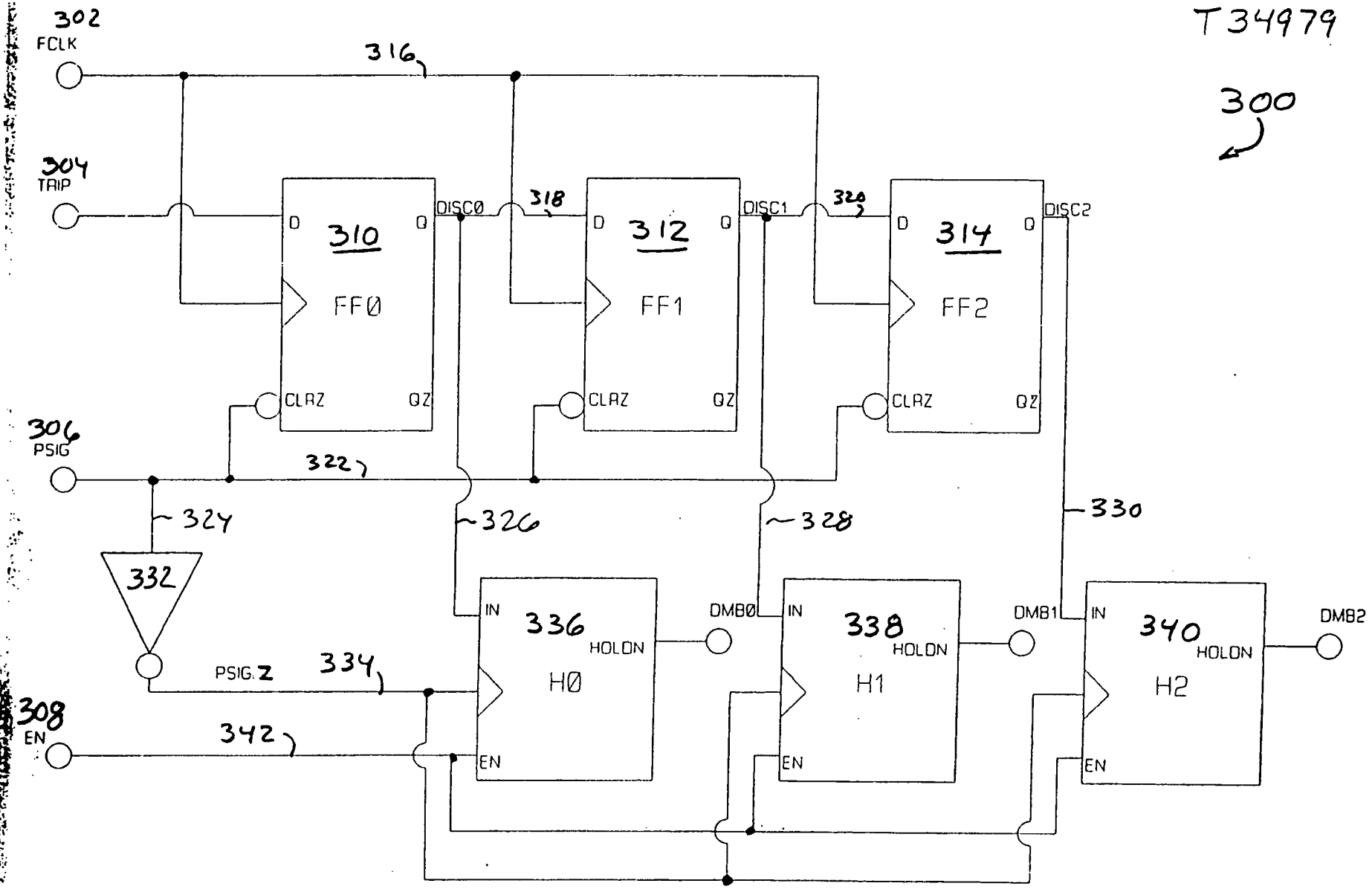

Fig. 3.

T34979

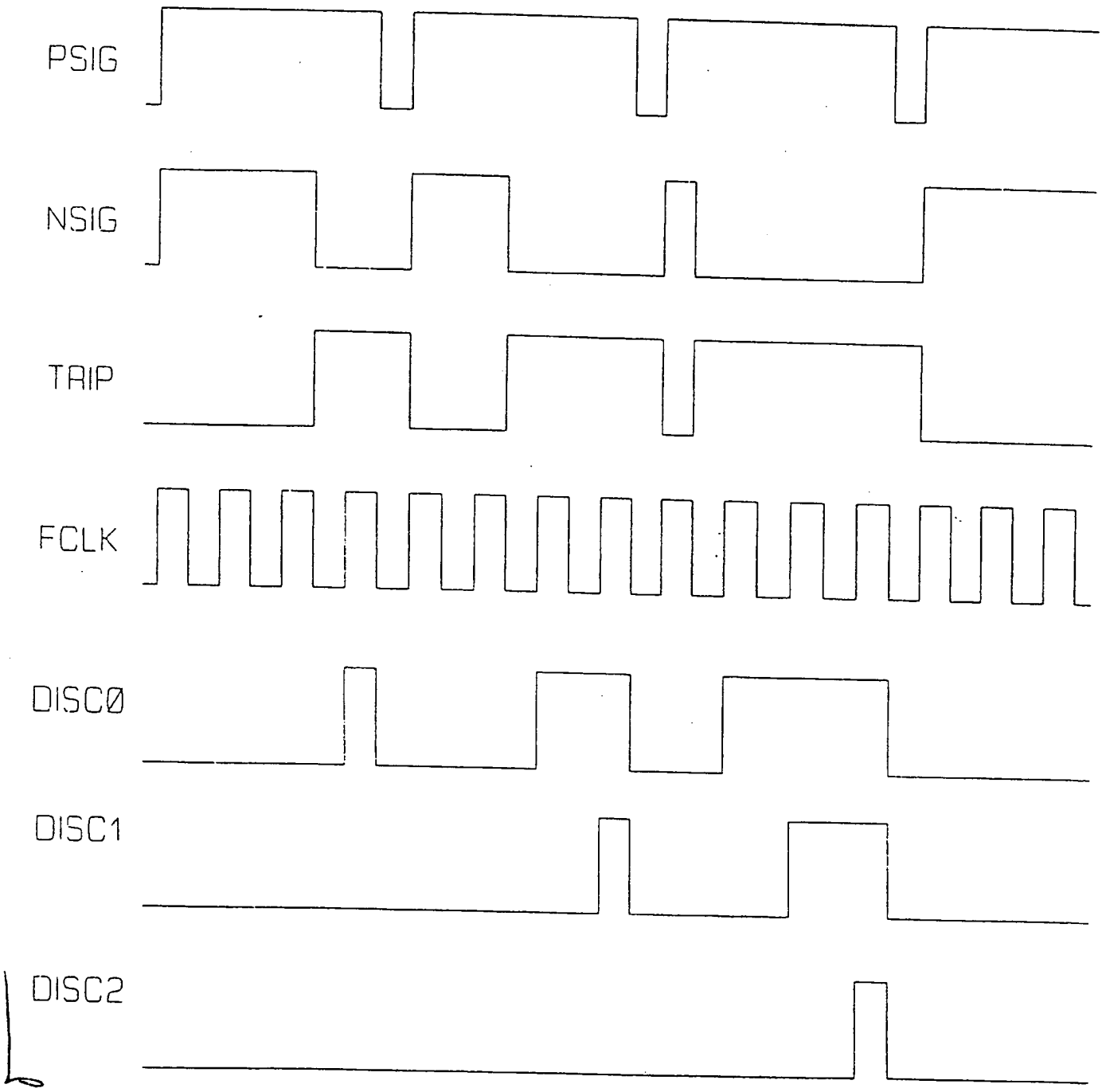

Fig. 4.

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500

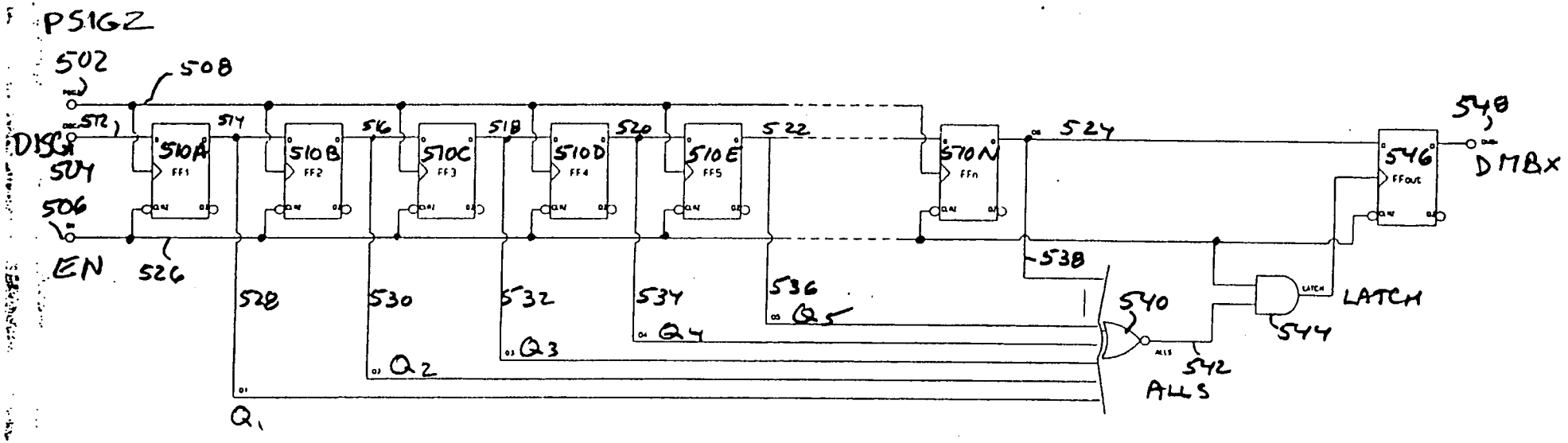

FIGURE 5

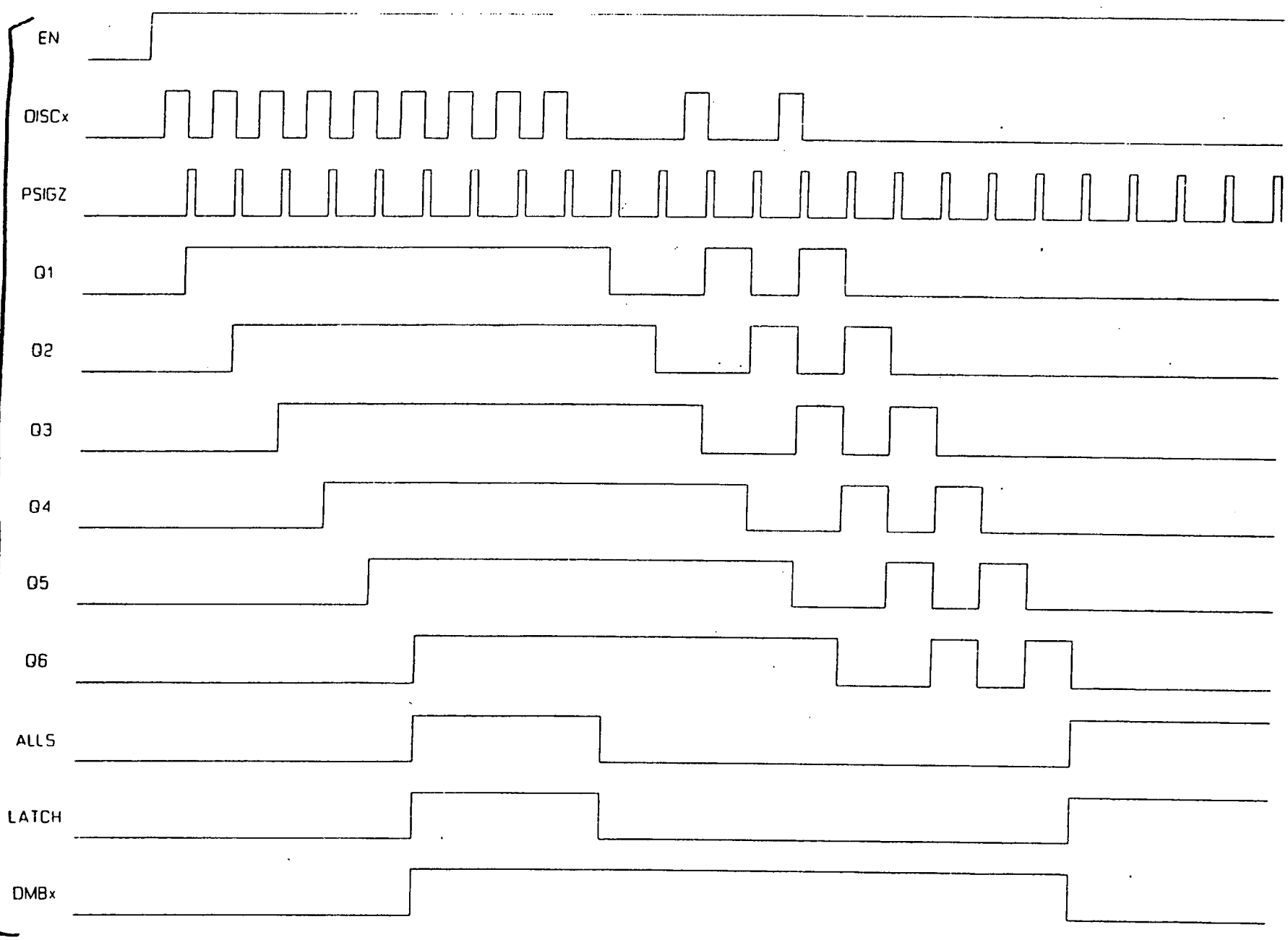

Fig. 6.

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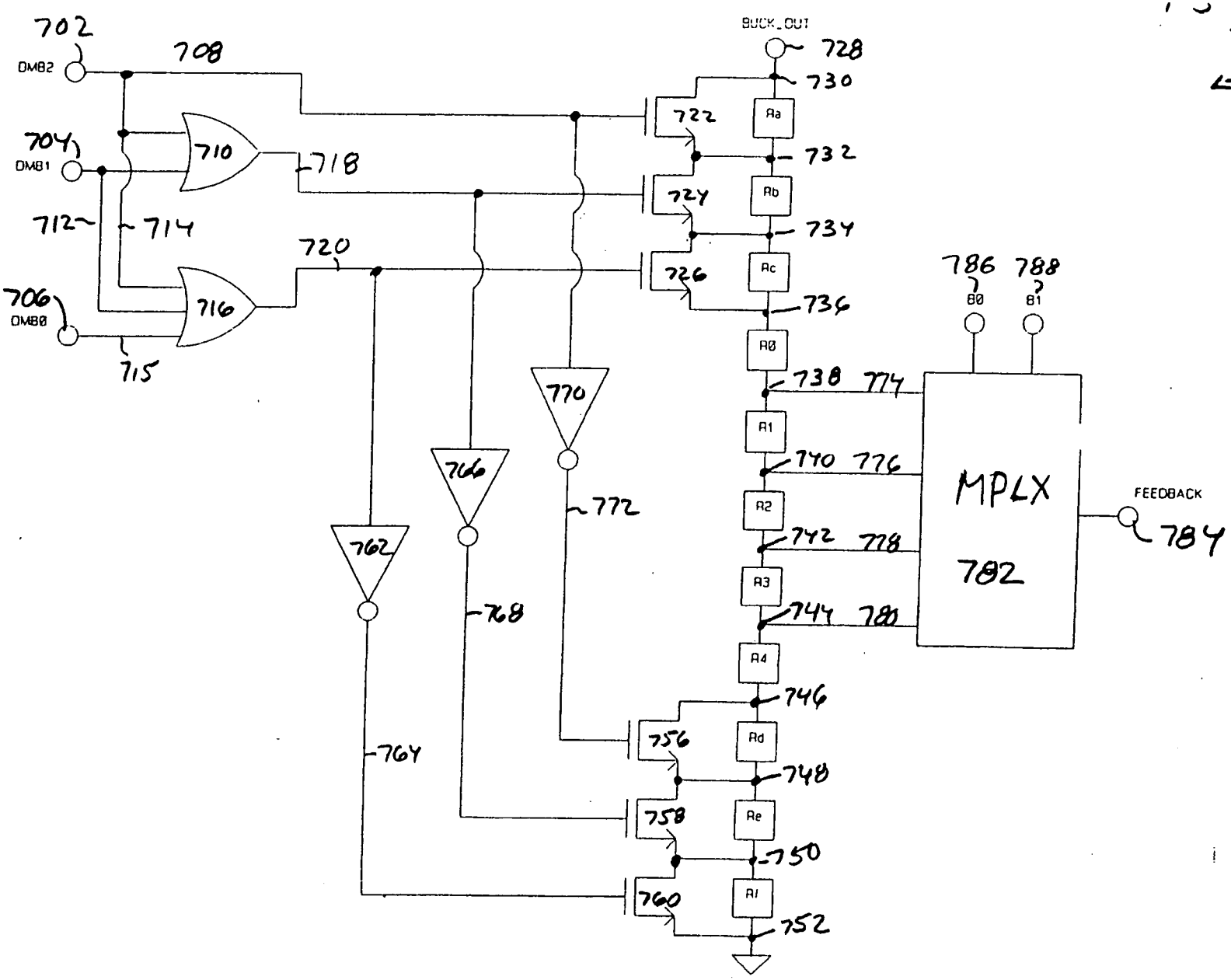
700
702
DMB2
704
DMB1
706
DMB0
708
710
712
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715
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718
720
722
724
726
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730
732
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762
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766
768
770
772
774
776
778
780
782
784
786
788
B0
B1
MPLX
FEEDBACK
BUCK_OUT
Aa
Ab
Ac
A0
A1
A2
A3
A4
Ad
Ae
Af

FIGURE 7

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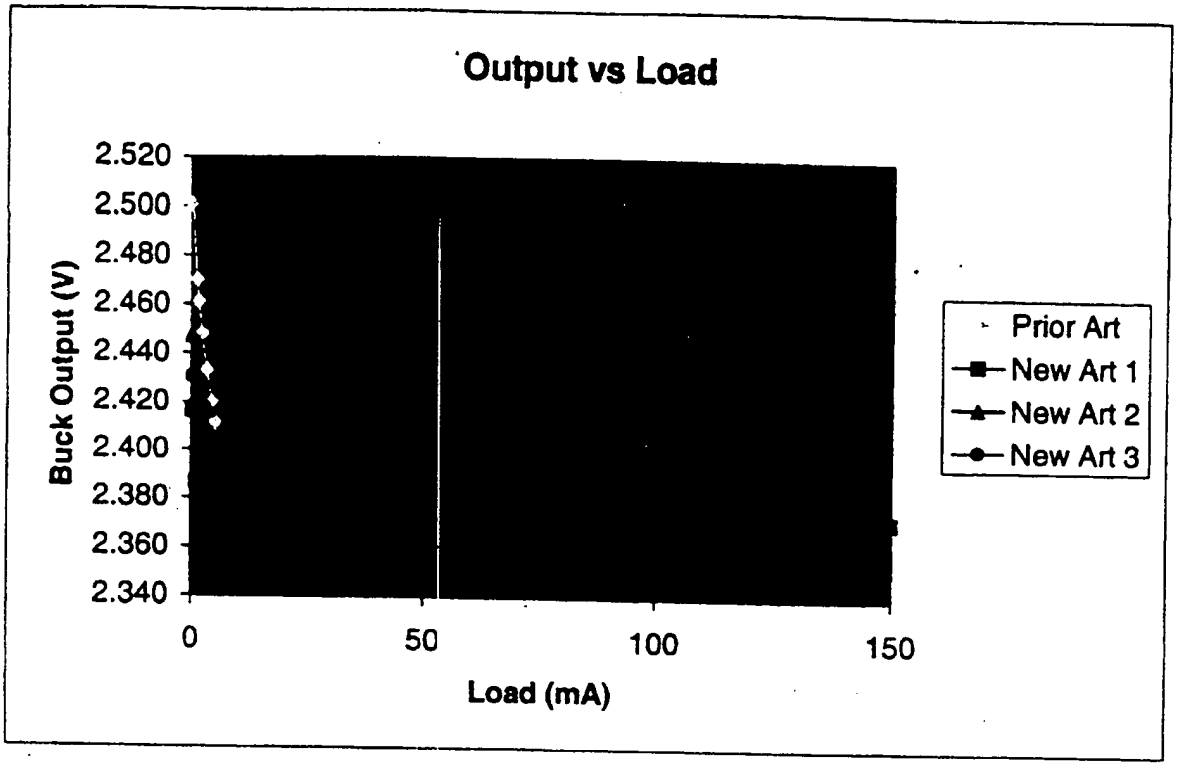

FIG 8A

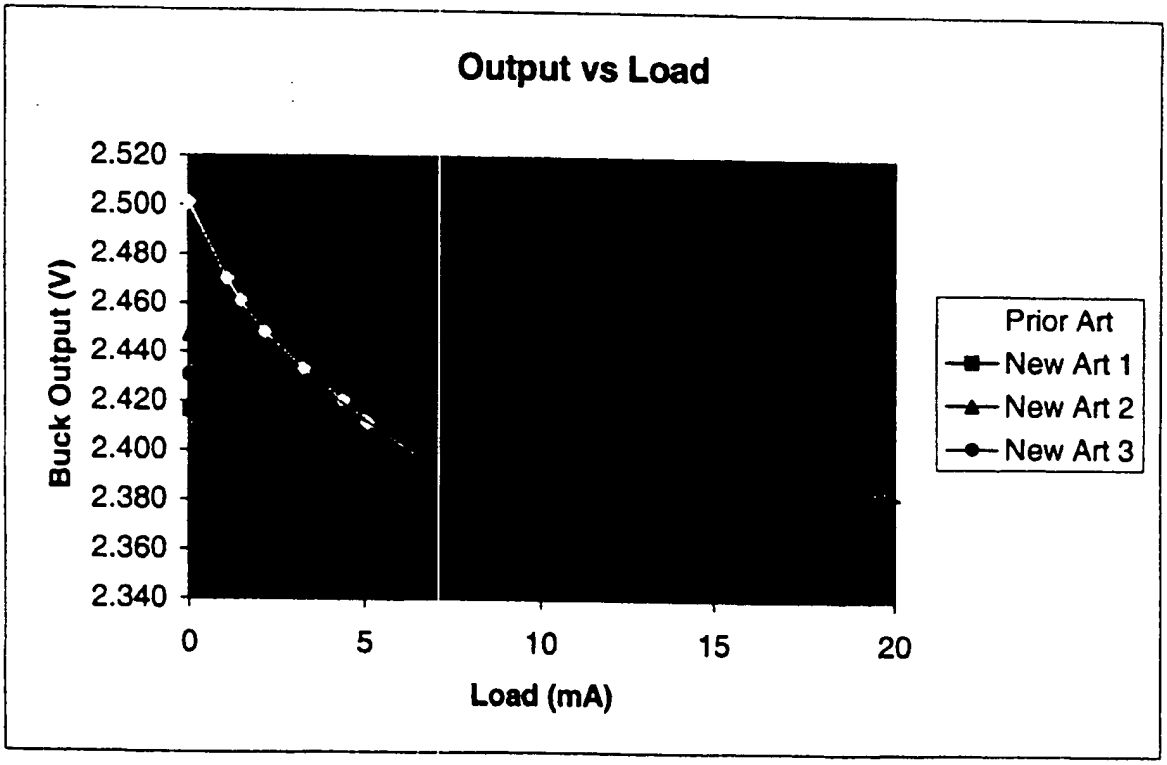

FIG 8B

900

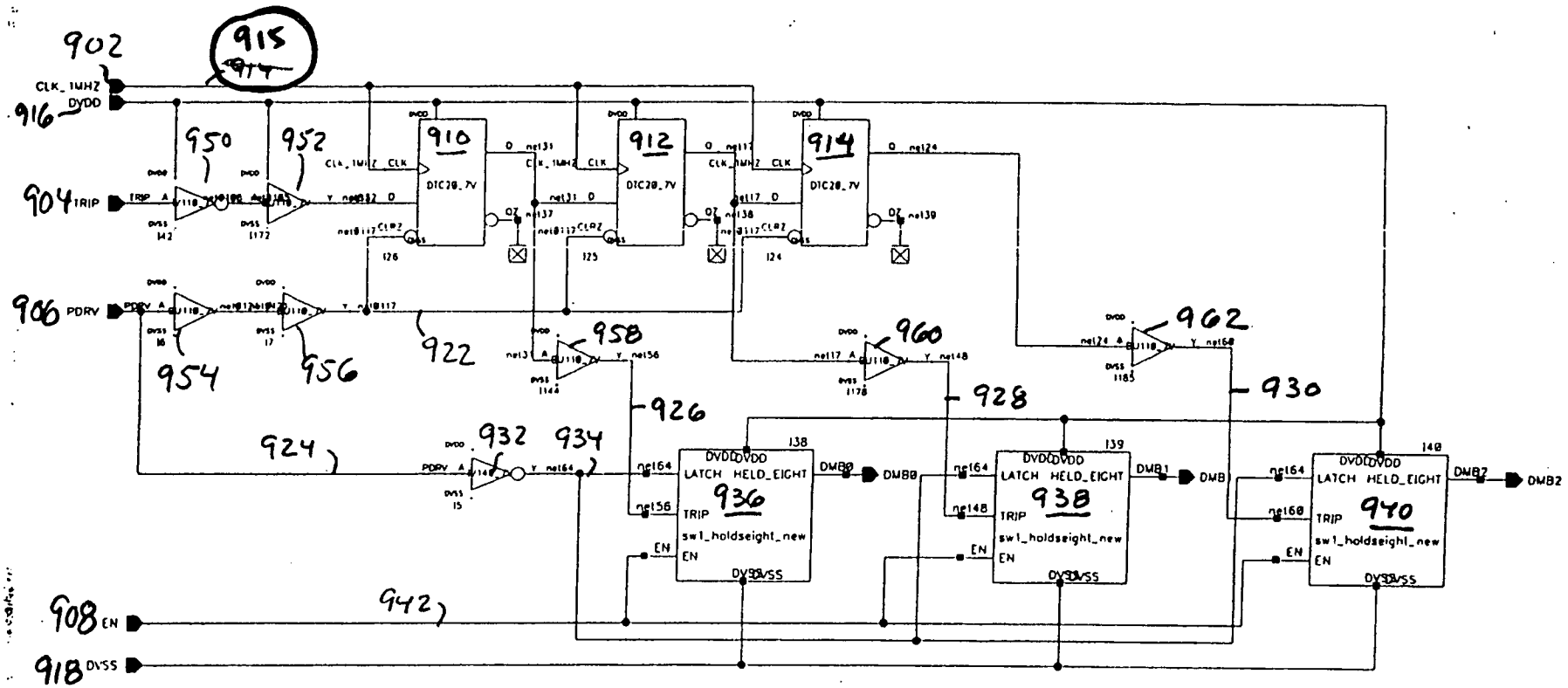
902
915
914
CLK_1MHZ
DVDD
916
950
952
904 TRIP
906 PDRV
910
912
914
DIC20_7V
954
956
922
958
960
962
926
928
930
924
932
934
PDRV
138
139
140
LATCH_HELD_EIGHT
936
938
940
TRIP
sw1_holdseight_new
EN
DMB0
DMB1
DMB2
DMB
908 EN
942
918 DVSS

FIG. 9

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1000

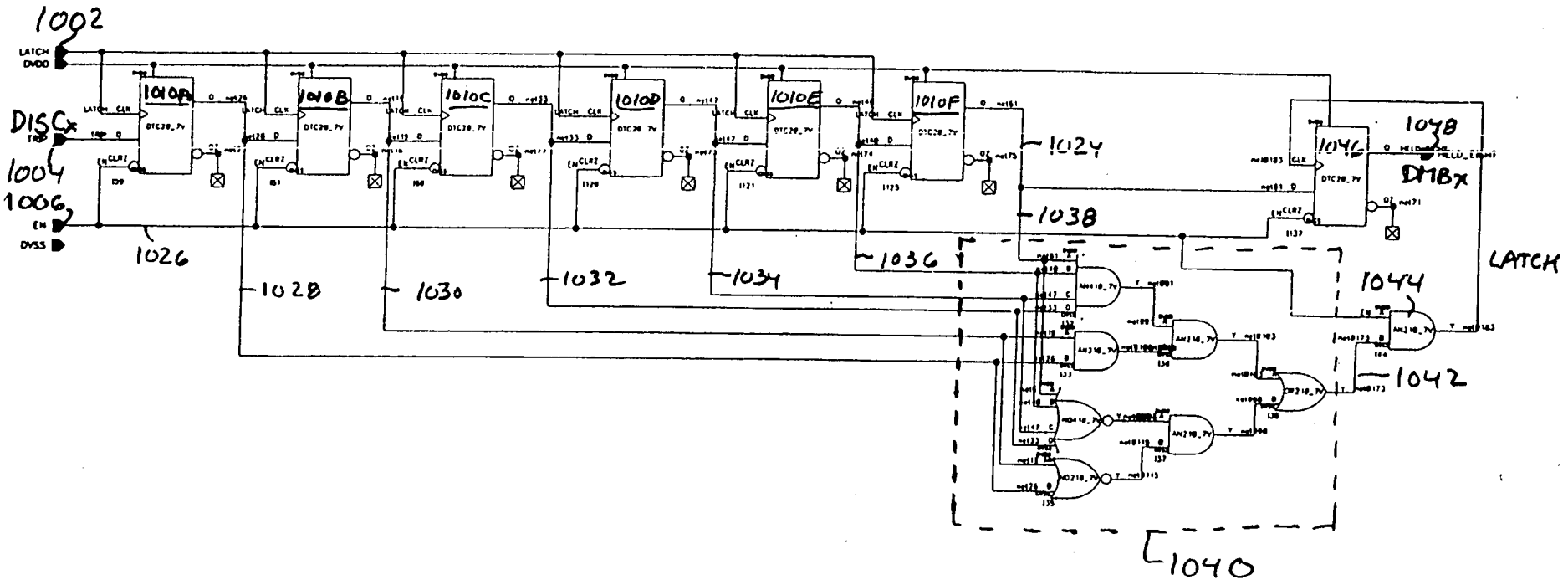

FIG. 10

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1100

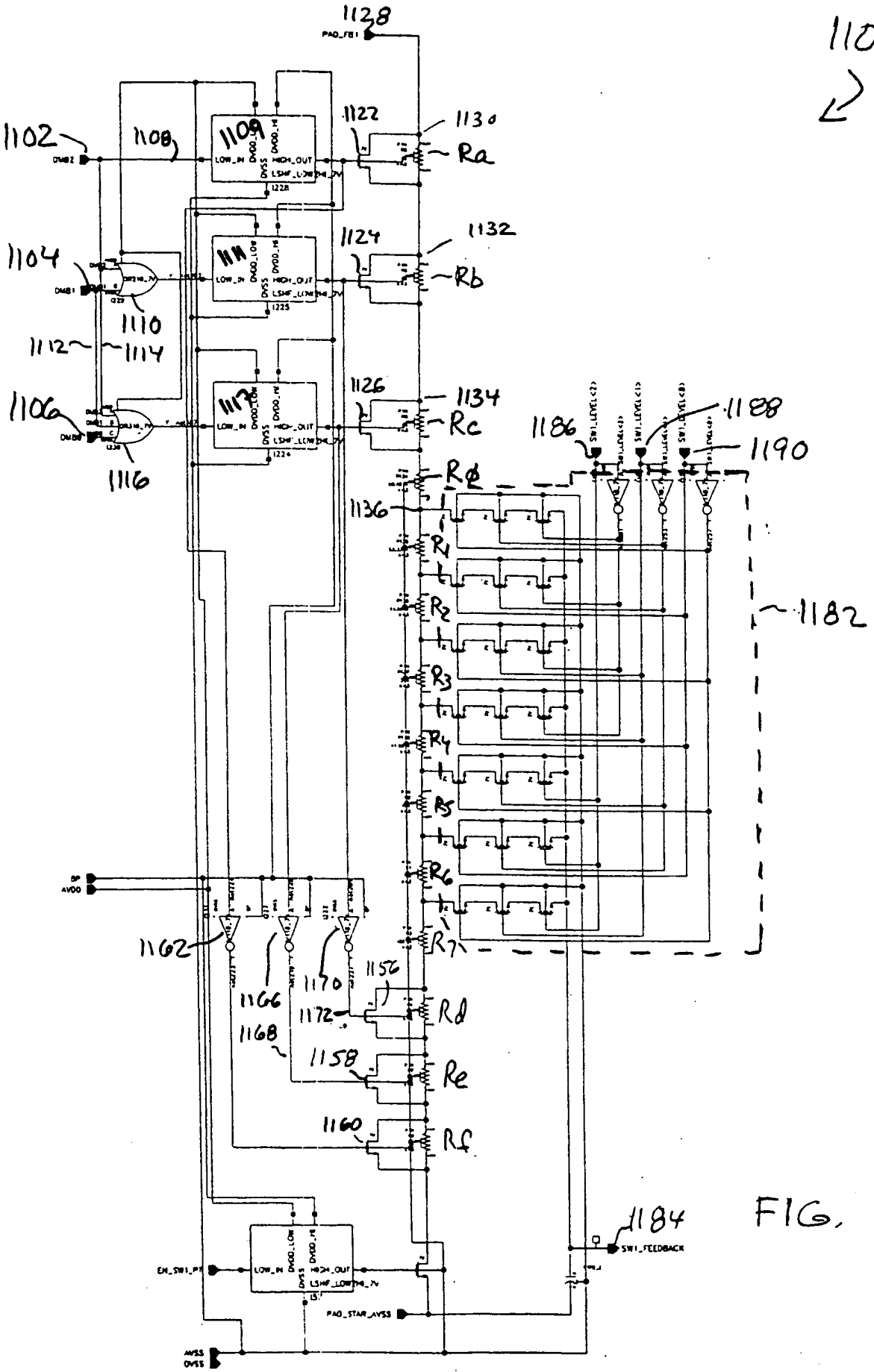

FIG. 11

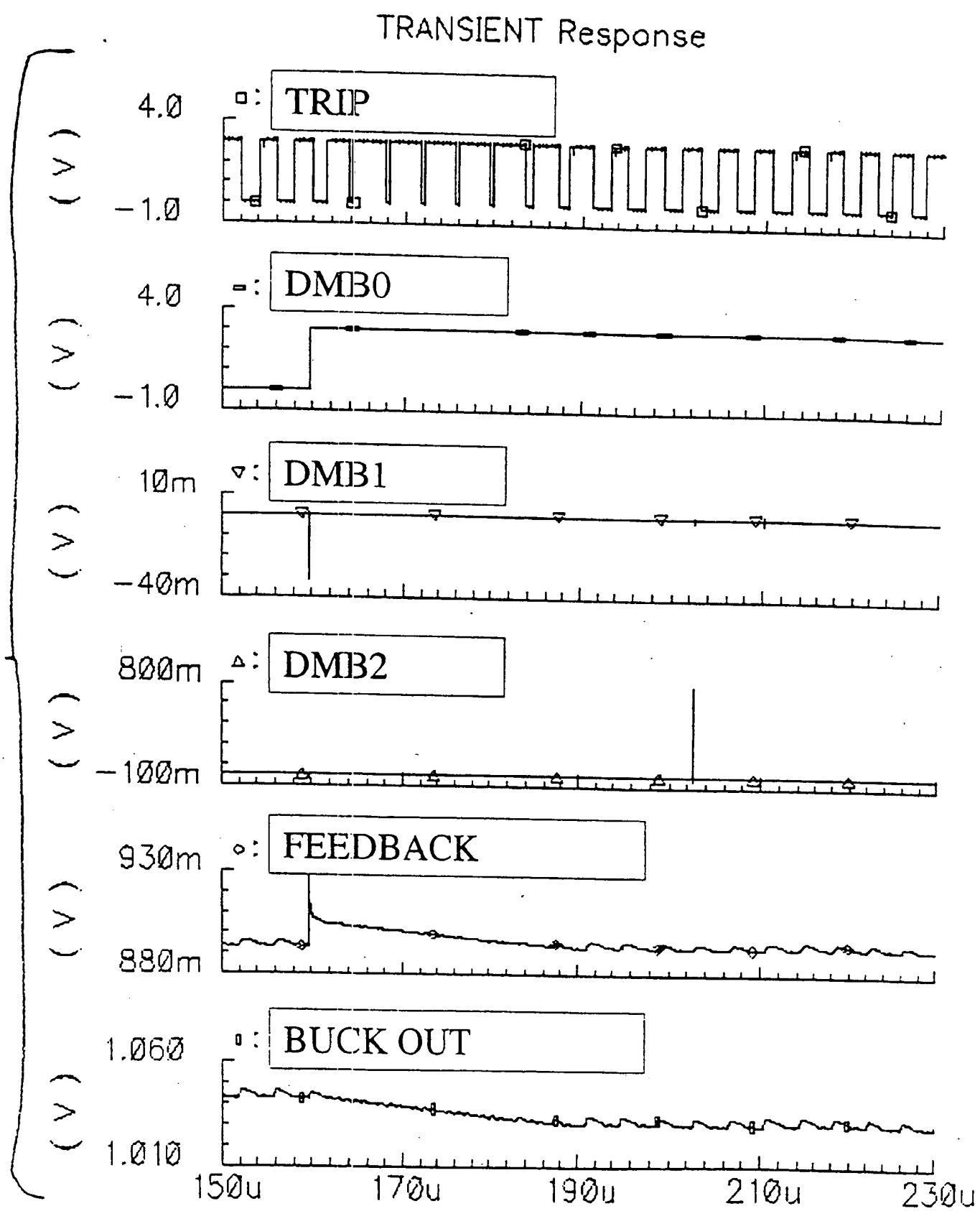
TRANSIENT Response
TRIP
4.0
-1.0
DMB0
4.0
-1.0
DMB1
10m
-40m
DMB2
800m
-100m
FEEDBACK
930m
880m
BUCK OUT
1.060
1.010
(V)
150u
170u
190u
210u
230u

FIG. 12

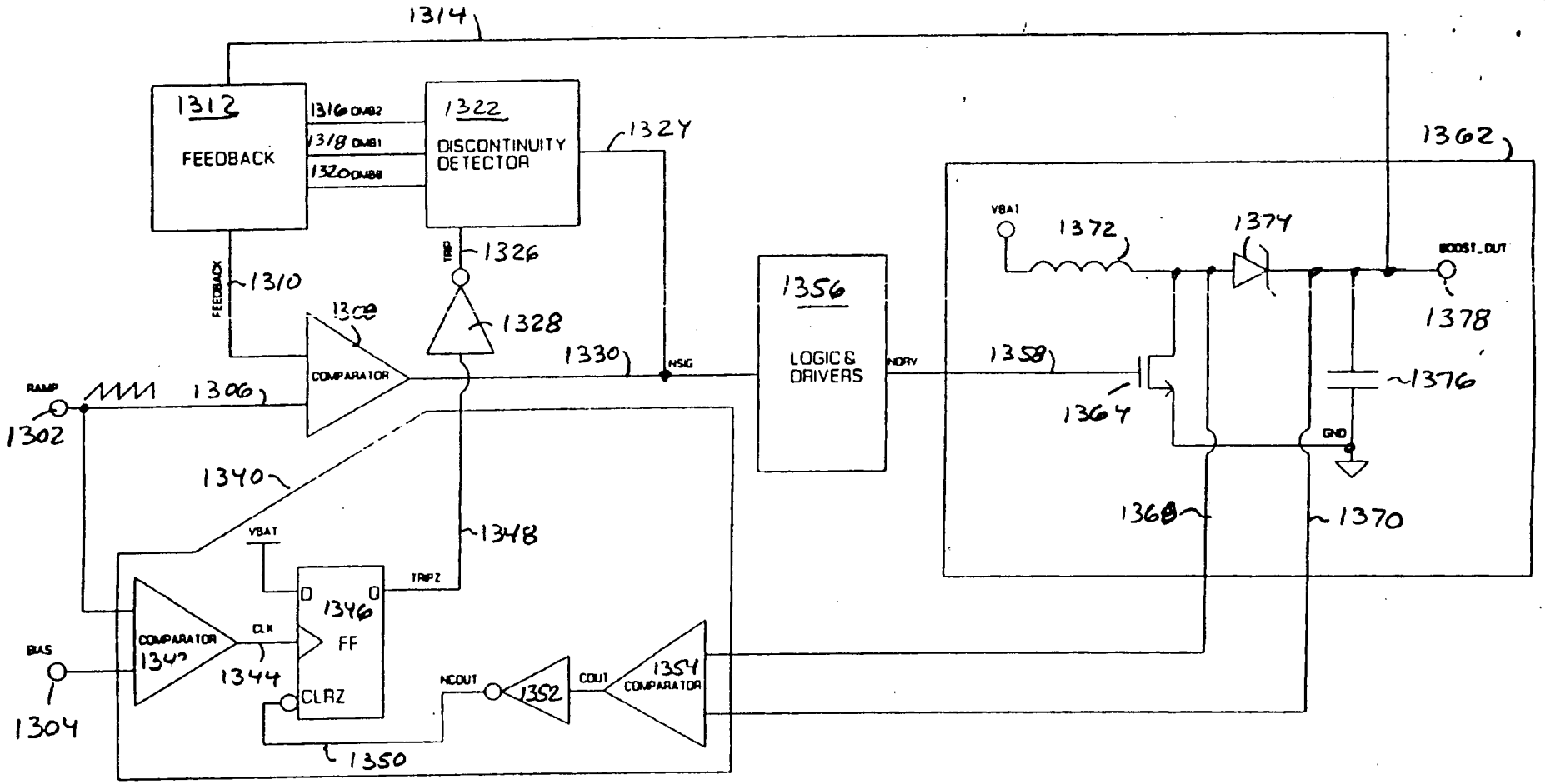

Fig. 13

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